

SEWERS



CITY OF
CHULA VISTA

CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW205	NEW CIP NO:	26092050	INITIALLY SCHEDULED:	7/1/1992
TITLE:	Metro Sewer System Upgrade - Consultant Services			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Anthony Chukwudolue

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$51,000	\$51,000		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$0	\$0		\$0	\$0	\$0	\$0	\$0
4. Construction	\$0	\$0		\$0	\$0	\$0	\$0	\$0
5. Consultant	\$428,095	\$428,095		\$0	\$0	\$0	\$0	\$0
TOTALS	\$479,095	\$479,095		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
TRKSEWER	\$479,095	\$479,095		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$479,095	\$479,095		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: Provides funding for consultants to evaluate financial and legal requirements and provide recommendations for wastewater collection and treatment. This will include preparation of documents required for implementation.

JUSTIFICATION: A consultant was hired in FY 89/90 to evaluate wastewater treatment alternatives. Another consultant, familiar with the Chula Vista wastewater system, was hired in FY 90/91 to draft ordinances, provide technical support on preparation and implementation of a wastewater revenue plan, and evaluate Chula Vista's relationship with the San Diego Metropolitan wastewater system. In FY 92/93, technical, legal and financial consultants were retained to assist in formulating positions regarding Special Act District formation. Additional treatment and financing decisions were made in FY 96/97.

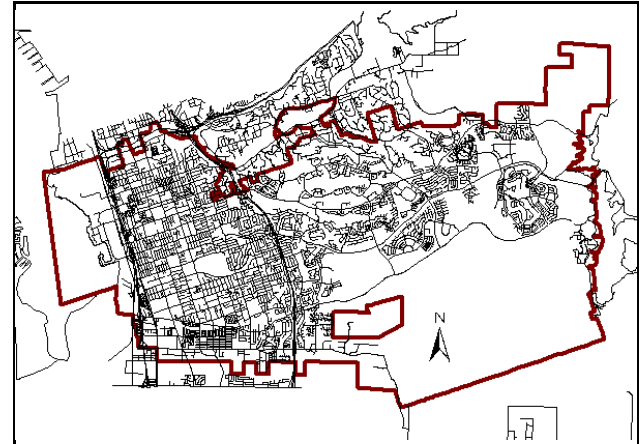
In 1997/98, consultants were advising the City on the revision of contracts with Metro Sewer and preparing recommendations on regional sewer facilities needed to accommodate additional development. This has entailed work by the consultants to complete a study on the impact of the future Reach 9 of the Salt Creek Interceptor, negotiate for the use of the City of San Diego's sewer O.I.C. line and evaluate the feasibility of constructing a Chula Vista, or inter-agency, sewer treatment-reclamation plant within City limits. This work may also entail studying other trunk lines. This work will continue in FY 03/04.

SCHEDULING: Work will be performed throughout FY 03/04.

STATUS: \$316,379.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: None.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW218	NEW CIP NO:	26092180	INITIALLY SCHEDULED:	7/1/1998
TITLE:	Replacement of Wastewater Pump Stations Alarm System			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Brian Walther

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$21,000	\$21,000		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$52,000	\$52,000		\$0	\$0	\$0	\$0	\$0
4. Construction	\$800,000	\$800,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$873,000	\$873,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SEWERFAC	\$873,000	\$873,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$873,000	\$873,000		\$0	\$0	\$0	\$0	\$0

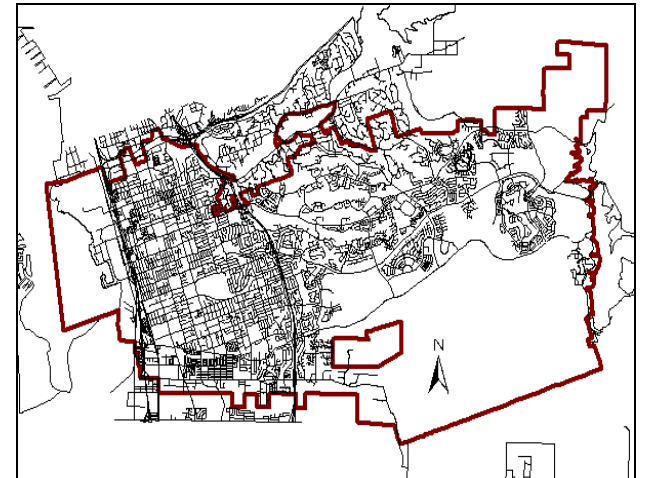
DESCRIPTION: The Supervisory Control And Data Acquisition (SCADA) System will provide an alarm system for controlling and monitoring sewer lift stations, swimming pools, the Nature Center's water circulation equipment, and sewer trunk lines located in remote areas.

JUSTIFICATION: The SCADA System will enable crews to put more of an emphasis on preventive maintenance by providing real-time monitoring, instantaneous alarm notification, and computerized control of equipment and critical systems. The improvement of current operations as a result of implementing this system will be realized with decreasing the number of routine physical checks to only once per week. Currently, these routine checks are performed three times a week. As a result, approximately 40 hours per week of labor will be saved.

Over the past several years, there have been several lift station failures, one of which resulted in a sewage spill into the Otay River. The current system is flawed in many ways and doesn't cover many of the systems in service. The current system is susceptible to human error, has no failsafe devices and has left some of the alarmed facilities unmonitored for months. For example, with the current system when an alarm is activated, the Police Department is notified, which in turns has to notify Operations. As a result, there have been incidents in the past when alarms have been activated, but Operations staff wasn't notified, thereby, nearly causing spills. The current process leaves the City vulnerable to sewer failures, possible fines and bad public relations.

Sewage spills in remote areas in San Diego have resulted in significant fines and bad publicity for the City of San Diego. Therefore, alarms will be installed in main trunk lines located in remote areas in the City of Chula Vista. By doing so, the City will be able to reduce the number of times sewerage spills occur. And if a spill does occur, have immediate notification rather than rely on someone noticing it and reporting the spill. With the emphasis being placed on violations of the Clean Water Act by the Water Quality Control Board, this should reduce (if not eliminate) fines associated with spills. Current fines are \$15,000 per day plus \$10 per gallon. For example, a 1,000 gallon spill (which is a minor spill) could result in a \$25,000 fine.

VICINITY MAP:



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Due to the current growth in the eastern part of the City, the current sewage system is being taxed to its limit. One proposal is to convert some of the pump stations to "managed pumping" instead of the currently used "automatic demand" pumping. This places more critical operating parameters with which these stations operate under. Smaller mistakes will have greater impacts on a system that is already close to capacity. The SCADA system will give the Public Works Department more reliable control, faster notification of problems, quicker response times, decreased possible incidents of human error, and better data collection.

SCHEDULING: Design is continuing through FY02/03, with installation scheduled to start in late FY 03/04.

STATUS: The Pre-Design and Radio Propagation Studies for the SCADA System have now been completed. It is anticipated that the design phase (funding already approved) of this project will be completed in 9-12 months. \$34,518.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: Will reduce overtime and callback costs.

CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW219	NEW CIP NO:	26092190	INITIALLY SCHEDULED:	7/1/1999
TITLE:	Salt Creek Trunk Sewer	DEPARTMENT:	Engineering	PROJECT MANAGER:	Anthony Chukwudolue
COMMUNITY PLAN AREA:	Eastern and Southern Territories				

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$1,648,025	\$1,648,025		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$156,191	\$156,191		\$0	\$0	\$0	\$0	\$0
3. Design	\$2,818,822	\$2,818,822		\$0	\$0	\$0	\$0	\$0
4. Construction	\$27,133,777	\$27,133,777		\$0	\$0	\$0	\$0	\$0
TOTALS	\$31,756,815	\$31,756,815		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
DIFSALTCR	\$12,785,096	\$12,785,096		\$0	\$0	\$0	\$0	\$0
RCT	\$199,395	\$199,395		\$0	\$0	\$0	\$0	\$0
TRKSEWER	\$18,772,324	\$18,772,324		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$31,756,815	\$31,756,815		\$0	\$0	\$0	\$0	\$0

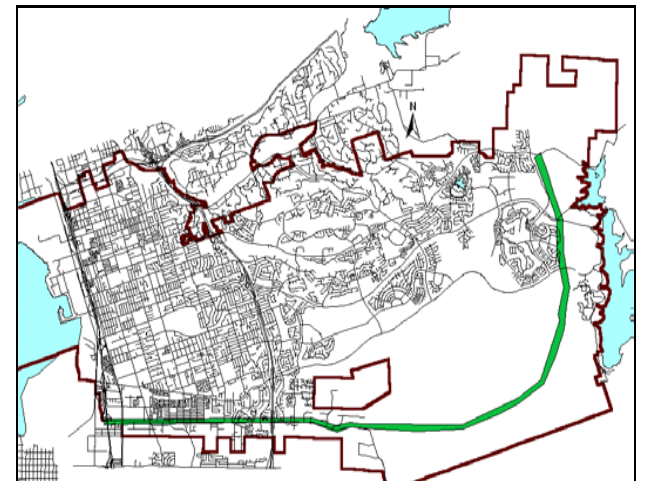
DESCRIPTION: The Salt Creek Gravity Sewer Interceptor is a sewer pipeline that will primarily serve the developments within the Salt Creek Sewer Basin. In addition to conveying flows from this basin, the sewer will also convey flows from the Poggi Canyon Sewer Basin and Wolf Canyon Sewer Sub-Basin and a small portion of the Main Street Sewer Basin. The Salt Creek Trunk Sewer consists of more that 13.5 miles of sewer line ranging from 15 to 48 inches in diameter of PVC pipe. Some of this pipe will be installed by microtunneling. The Salt Creek Sewer Basin is divided into nine Reaches; these Reaches are points of major slope changes and points where significant amounts of sewage flow from the properties are contributed.

The trunk sewer will generally parallel Salt Creek and the Otay River beginning just west of the Upper Otay Reservoir and terminating at the City of San Diego's Metro Sewer west of Interstate 5 Freeway.

JUSTIFICATION: The completed interceptor will convey flows from the developments of Rolling Hills Ranch, EastLake, Otay Ranch, Olympic Training Center, Poggi Canyon Sewer Basin, Wolf Canyon Sewer Basin, and adjacent properties, as well as providing additional capacity for the existing wastewater collection system. The Salt Creek Sewer Basin Development Impact Fee was established in 1994 to provide funding for the construction of Reaches 1 through 8. Reach 9 was considered a regional facility since it also conveys flows from other tributary basins, there it is the City's responsibility to construct. Reach 9 consists of approximately 27,000 linear feet of 42" and 48" mains, and commences approximately 1,500' east of Otay Valley Road and extends westerly to the City of San Diego's Metro Sewer on West Frontage Road west of Interstate 5 Freeway.

In addition to providing sewer capacity to new developments in the eastern territory, the construction of this facility will also allow for the removal of three pump stations and save several million dollars in upgrades to the Telegraph Canyon sewer interceptor and Faivre Street sewer main.

VICINITY MAP:



CITY OF CHULA VISTA
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SCHEDULING: The project is under construction and should be completed by Fall of 2003.

STATUS: Under Construction. The Trunk Sewer Capital Reserve Fund has loaned \$12,785,096 to the Salt Creek DIF Fund to expedite the construction of the project. \$20,640,663.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: On-going maintenance will be required upon completion.

CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW223	NEW CIP NO:	26012230	INITIALLY SCHEDULED:	7/1/2000
TITLE:	Wastewater Master Plan Update			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Anthony Chukwudolue

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$25,000	\$25,000		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$0	\$0		\$0	\$0	\$0	\$0	\$0
4. Construction	\$0	\$0		\$0	\$0	\$0	\$0	\$0
5. master plan	\$465,000	\$440,000		\$25,000	\$0	\$0	\$0	\$0
TOTALS	\$490,000	\$465,000		\$25,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
TRKSEWER	\$490,000	\$465,000		\$25,000	\$0	\$0	\$0	\$0
TOTALS:	\$490,000	\$465,000		\$25,000	\$0	\$0	\$0	\$0

DESCRIPTION: A consultant will be hired to review and update the City's Wastewater Master Plan that was originally prepared in 1990. The proposed update involves the reevaluation of growth projections, update of flow projections based on population data and land use, update of existing conveyance system, determination of City's sewer infrastructure needs, reevaluation of City's current maintenance and capital improvement plan for sewer facilities, update of wastewater treatment and disposal requirements, and update of revenue sources and financing alternatives for sewer projects.

JUSTIFICATION: The Wastewater Master Plan was prepared to identify and analyze the City's current and future needs for wastewater conveyance, treatment and disposal. Considering the surge in the City's growth rate within the last couple of years, and in conjunction with the General Plan update, it is necessary to reanalyze the City's Wastewater Master Plan and review the growth projections that formed the underlying basis for most of the recommendations made in the plan for the maintenance of existing and the construction of new sewer facilities. This is necessary to verify that the City's current plan for the maintenance of existing infrastructure and the construction of new facilities will be adequate to sustain the continued growth of the City's population in the long run.

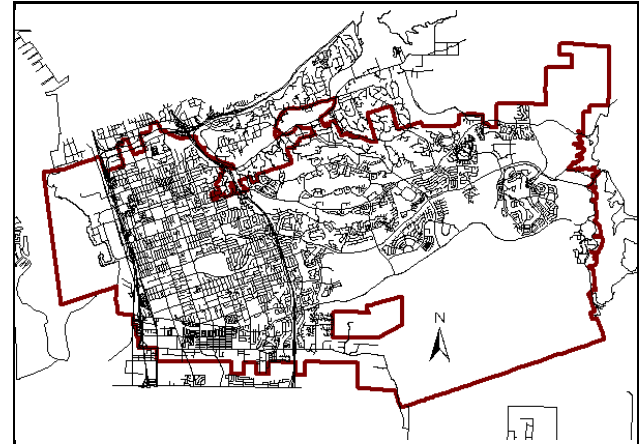
Additional funding proposed in FY 03/04 required to fund additional components of the study that were not originally contemplated at the start of the project

SCHEDULING: This study will be completed in FY 03/04.

STATUS: On-going. \$183,665.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: None.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW224	NEW CIP NO:	26012240	INITIALLY SCHEDULED:	7/1/2000
TITLE:	Telegraph Canyon Trunk Sewer Improvements			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Eastern & Central Chula Vista			PROJECT MANAGER:	Anthony Chukwudolue

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$100,000	\$100,000		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$350,000	\$350,000		\$0	\$0	\$0	\$0	\$0
4. Construction	\$2,750,000	\$2,750,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$3,200,000	\$3,200,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
DIFTCYNSEW	\$800,000	\$800,000		\$0	\$0	\$0	\$0	\$0
TRKSEWER	\$2,400,000	\$1,000,000		\$1,400,000	\$0	\$0	\$0	\$0
TOTALS:	\$3,200,000	\$1,800,000		\$1,400,000	\$0	\$0	\$0	\$0

DESCRIPTION: The Telegraph Canyon Trunk Sewer runs east to west, beginning at Eastlake Prkway along Otay Lakes Rd to the City of San Diego Metro Interceptor just past I-5. The proposed improvements to the Telegraph Canyon Trunk Sewer involve the installation of parallel sewer lines to increase the capacity system.

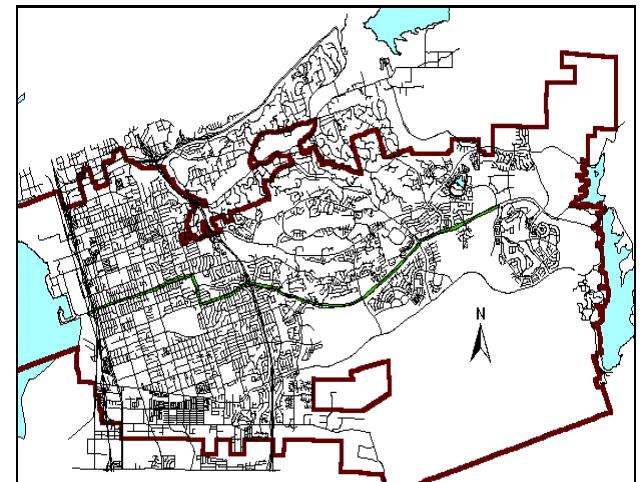
JUSTIFICATION: The Telegraph Canyon Trunk Sewer is the main line primarily serving the eastern territories development. Based on capacity studies conducted years ago, verifying the adequacy of the system to handle flows generated within the basin, it was determined that several portions of the system were undersized and need to be improved either through the construction of parallel lines or possible replacement of these sections to increase capacities. In addition to the flows generated by developments within the gravity basin, the Telegraph Canyon Trunk Sewer also carries pumped flows generated by developments outside the basin from Salt Creek Gravity Basin and Poggi Canyon Gravity Basin. The result is a significant increase in the rate of development both within and outside the basin. With the information obtained from monitoring the system, it has become necessary to construct the required improvements at this time. The project was originally funded based on estimates derived from previous studies. Due to the high volume of traffic within the project limits, the construction of the required improvements will be done in a manner that takes that into consideration. The proposed improvements involve the construction of parallel replacement pipes, which differs from the previously recommended approach of constructing parallel sewer lines to assist existing sewer lines. Based on the recommendation of the design consultant, this approach was deemed more efficient although more expensive than what was budgeted, hence the need for additional funding.

SCHEDULING: Construction is scheduled for completion FY 03/04. EastLake Development company is going to construct the project in order to accelerate the construction time and will be reimbursed by the City.

STATUS: Construction underway. \$2,447,721.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: Minimal.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW225	NEW CIP NO:	26012250	INITIALLY SCHEDULED:	7/1/2000
TITLE:	Wolf Canyon Trunk Sewer Construction			DEPARTMENT:	Public Works/Engineering
COMMUNITY PLAN AREA:	Eastern and Southern Territories			PROJECT MANAGER:	Anthony Chukwudolue

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$0	\$0		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$1,000,000	\$0		\$1,000,000	\$0	\$0	\$0	\$0
4. Construction	\$6,458,504	\$0		\$0	\$6,458,504	\$0	\$0	\$0
5. Staff Costs	\$35,000	\$35,000		\$0	\$0	\$0	\$0	\$0
TOTALS	\$7,493,504	\$35,000		\$1,000,000	\$6,458,504	\$0	\$0	\$0

FINANCING SOURCES:								
DIFSALTCR	\$1,000,000	\$0		\$1,000,000	\$0	\$0	\$0	\$0
FUTURE FIN	\$6,458,504			\$0	\$6,458,504	\$0	\$0	\$0
TRKSEWER	\$35,000	\$35,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$7,493,504	\$35,000		\$1,000,000	\$6,458,504	\$0	\$0	\$0

DESCRIPTION:

The Wolf Canyon Trunk Sewer project involves the installation of approximately 15,700 linear feet of sewer pipes varying in size from 10 inches to 15 inches within the Wolf Canyon Sub-Basin. This trunk sewer line will connect to the Salt Creek Gravity Sewer Interceptor at the downstream end of reach 8A.

The pre-design phase of this project was initially being funded by McMillin companies, with the intention of receiving DIF credits upon completion of the project. However, the project is now being re-structured such that the pre-design work and all other consultant services required to complete the design plans, manage the project, and prepare all the environmental documents, will now be financed using a loan from the Trunk Sewer Fund to the Salt Creek Sewer Basin DIF. Staff will return to Council in early 03/04 with recommendation on the structure and cost of this loan. The construction phase will be financed by subsequent loans from either the Trunk Sewer Fund and/or a loan from the other lending agencies.

JUSTIFICATION:

The project is needed to serve planned developments within the Wolf Canyon sub-basin.

SCHEDULING:

The project is currently in the pre-design stage and it is anticipated that the preparation of the Environmental Impact Report (EIR) will begin in hte summer of 2003, with construction beginning in late 2005.

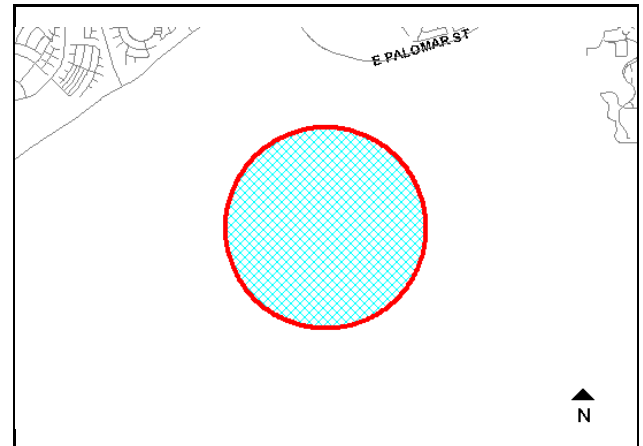
STATUS:

\$3,497,656.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT:

On-going maintenance will be required upon completion.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW226	NEW CIP NO:	26022260	INITIALLY SCHEDULED:	7/1/2001
TITLE:	Upgrade of Reach 205 of Poggi Canyon Trunk Sewer			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Eastern Territory			PROJECT MANAGER:	Anthony Chukwudolue

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$85,000	\$29,000		\$56,000	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$200,000	\$85,000		\$115,000	\$0	\$0	\$0	\$0
4. Construction	\$1,354,800	\$686,000		\$668,800	\$0	\$0	\$0	\$0
TOTALS	\$1,639,800	\$800,000		\$839,800	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
POGGICYNBWRDIF	\$1,639,800	\$800,000		\$839,800	\$0	\$0	\$0	\$0
TOTALS:	\$1,639,800	\$800,000		\$839,800	\$0	\$0	\$0	\$0

DESCRIPTION: The proposed improvement involves upsizing Reach 205 of the Poggi Canyon Trunk Sewer from an 18" pipe to a 21" pipe using micro tunneling or pipe bursting methods. Reach 205 is the existing portion of the Poggi Canyon Trunk Sewer that runs easterly to westerly, beginning at the downstream end of Poggi Canyon Flood Control Channel just east of I-805 and ending at Melrose Ave just west of I-805.

JUSTIFICATION: The Poggi Canyon Trunk Sewer is the future trunk sewer line that will primarily serve the developments in the Poggi Canyon Sewer Basin. Based on the "Poggi Canyon Basin Gravity Sewer Basin Plan" study that was prepared by Wilson Engineering, dated November 19, 1997, it was determined that Reach 205 of Poggi Canyon Trunk Sewer will need to be upsized from an 18" pipe to a 21" pipe in order to convey the sewage flows generated from developments within the Poggi Canyon Sewer Basin at build-out. To this effect a Development Impact Fee was established to fund the construction of the easterly reaches of the Poggi Canyon Trunk Sewer and the upsizing of the deficient portion (Reach 205) of the existing sewer line. The study also recommended that the line be monitored to determine when the improvements will be required.

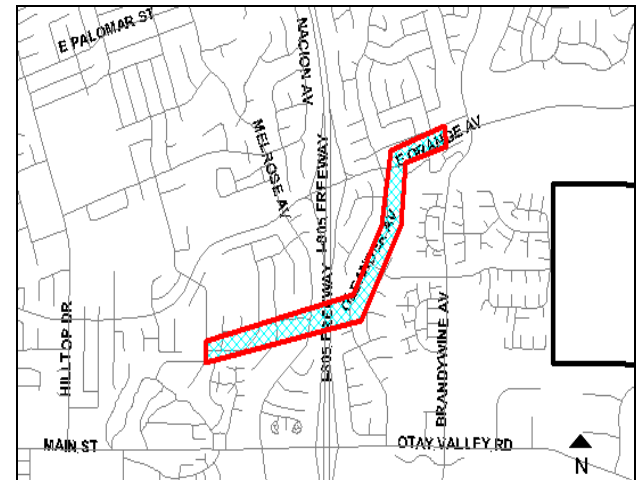
As a result of the current pace of development within and outside Poggi Canyon Basin, staff recently conducted a study to evaluate the current flow generation within the basin. Based on the findings of that study, it was determined that it was now necessary to make the required improvements at this time.

SCHEDULING: Design and Construction is scheduled for FY 03/04. This project may be constructed by a developer via a reimbursement agreement rather than as a City project.

STATUS: \$182,424.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: On-going maintenance will be required.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW228	NEW CIP NO:	26022280	INITIALLY SCHEDULED:	7/1/2001
TITLE:	"G" Street Trunk Sewer Improvements			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Central Chula Vista			PROJECT MANAGER:	Anthony Chukwudolue

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$6,000	\$6,000		\$0	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$135,320	\$135,320		\$0	\$0	\$0	\$0	\$0
4. Construction	\$654,680	\$654,680		\$0	\$0	\$0	\$0	\$0
TOTALS	\$796,000	\$796,000		\$0	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
TRKSEWER	\$796,000	\$796,000		\$0	\$0	\$0	\$0	\$0
TOTALS:	\$796,000	\$796,000		\$0	\$0	\$0	\$0	\$0

DESCRIPTION: The proposed improvement involves the installation of 840 linear feet of PVC sewer pipes parallel to an existing 18" sewer line and a 21" sewer line. The reaches that need to be paralleled run from easterly to westerly. Reach No.1 runs from 400' West of Bay Blvd. (at G street Metro metering station (CV3)) to Bay Blvd. Reach No. 2 starts just East of I-5 freeway to Woodlawn Avenue.

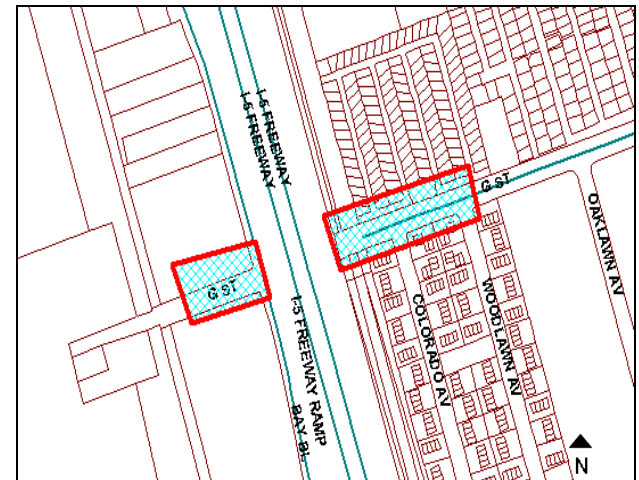
JUSTIFICATION: The "G" Street Trunk Sewer is the main trunk that primarily serves the G Street Sewer Basin. Most of "G" Street Sewer Basin is already built out. However, the City of Chula Vista recently approved two major projects to be constructed within this basin: the new City of Chula Vista Police Station to be located at the intersection of "F" Street and Fourth Avenue; and the Gateway Development project to be located at the intersection of "H" Street and Third Avenue. Both of these developments will be discharging sewage into the "G" street trunk sewer. A few years ago, the City constructed parallel sewer lines between Third Avenue and Broadway to add additional capacity to this trunk line within those reaches. At that time there was still adequate capacity within the remaining portions of the trunk sewer. However, recent flow metering data indicates that there are some reaches of the trunk line where the peak flow is exceeding the maximum design capacity of the existing pipes within these reaches. After detailed analysis of the flow metering data, staff determined these reaches of the "G" street trunk sewer would need to be upsized or paralleled (please refer to the attached map for further clarification). During the Initial Study review process of these projects, the Wastewater staff indicated that certain reaches along G Street have an inadequate sewer capacity to accommodate the sewer flows that will be generated from these projects.

SCHEDULING: Design complete. Construction scheduled for 2003/2004.

STATUS: \$430,997.00 has been expended on this project through June 30, 2003.

BUDGET EFFECT: On-going maintenance of the line will be required.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW230	NEW CIP NO:	26042300	INITIALLY SCHEDULED:	7/1/2003
TITLE:	Sewer Rehabilitation Program, Annual Allocation, Phase XIII, FY 03/04.			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Anthony Chukkwudolue

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$39,000	\$0		\$39,000	\$0	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$12,000	\$0		\$12,000	\$0	\$0	\$0	\$0
4. Construction	\$249,000	\$0		\$249,000	\$0	\$0	\$0	\$0
TOTALS	\$300,000	\$0		\$300,000	\$0	\$0	\$0	\$0

FINANCING SOURCES:								
SEWERFAC	\$300,000	\$0		\$300,000	\$0	\$0	\$0	\$0
TOTALS:	\$300,000	\$0		\$300,000	\$0	\$0	\$0	\$0

DESCRIPTION: This annual allocation provides for wastewater system rehabilitation work at certain locations throughout the City.

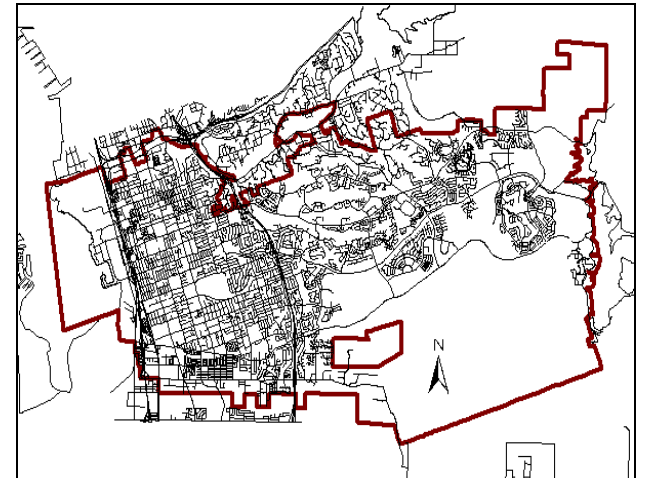
JUSTIFICATION: Based on various types of wastewater system inspections, including those performed with a closed-circuit television camera, it is recommended that certain rehabilitation work occur. Certain access areas identified by the Public Works Operations Division require replacement (shaft, ring, and cover) due to having inadequate size for confined space entry. Other access areas require new covers and rings due to damage resulting from excessive load bearing stress. Certain sections of cracked pipe need to be replaced, repaired, or relined to prevent groundwater infiltration or leaching of raw sewage into the ground. This project provides for safe working conditions for the Public Works Operations crew.

SCHEDULING: On-going.

STATUS:

BUDGET EFFECT: None.

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW231	NEW CIP NO:	26052340	INITIALLY SCHEDULED:	7/1/2004
TITLE:	Sewer Rehabilitation Program, Annual Allocation, Phase XIV, FY 04/05.			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Anthony Chukwudolue

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$39,000	\$0		\$0	\$39,000	\$0	\$0	\$0
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$12,000	\$0		\$0	\$12,000	\$0	\$0	\$0
4. Construction	\$249,000	\$0		\$0	\$249,000	\$0	\$0	\$0
TOTALS	\$300,000	\$0		\$0	\$300,000	\$0	\$0	\$0

FINANCING SOURCES:								
SEWERFAC	\$300,000	\$0		\$0	\$300,000	\$0	\$0	\$0
TOTALS:	\$300,000	\$0		\$0	\$300,000	\$0	\$0	\$0

DESCRIPTION: This annual allocation provides for wastewater system rehabilitation work at certain locations throughout the City.

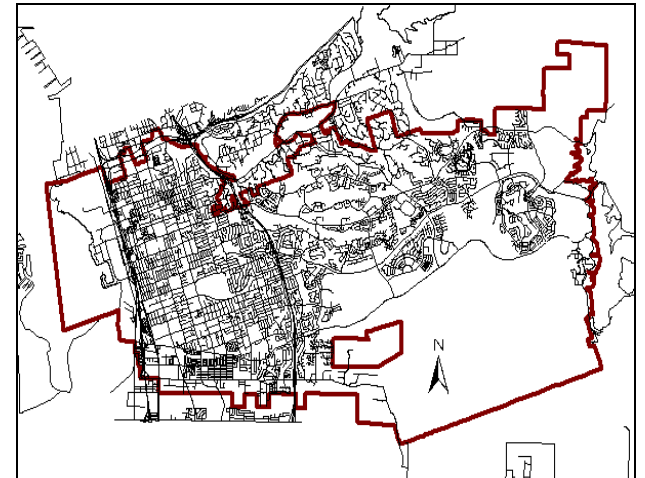
JUSTIFICATION: Based on various types of wastewater system inspections, including those performed with a closed-circuit television camera, it is recommended that certain rehabilitation work occur. Certain access areas identified by the Public Works Operations Division require replacement (shaft, ring, and cover) due to having inadequate size for confined space entry. Other access areas require new covers and rings due to damage resulting from excessive load bearing stress. Certain sections of cracked pipe need to be replaced, repaired, or relined to prevent groundwater infiltration or leaching of raw sewage into the ground. This project provides for safe working conditions for the Public Works Operations crew.

SCHEDULING: On-going.

STATUS:

BUDGET EFFECT: None

VICINITY MAP:



CITY OF CHULA VISTA
CAPITAL IMPROVEMENTS PROGRAM DETAIL

CIP NO:	SW999	NEW CIP NO:	26069990	INITIALLY SCHEDULED:	7/1/2005
TITLE:	Sewer Rehabilitation Program, Future Allocations.			DEPARTMENT:	Engineering
COMMUNITY PLAN AREA:	Citywide			PROJECT MANAGER:	Anthony Chukwudolue

COST ESTIMATES:	PROJECT TOTAL	TOTAL APPROPRIATIONS THRU 2002-03		FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08
1. Planning / Env. Review	\$117,000	\$0		\$0	\$0	\$39,000	\$39,000	\$39,000
2. Land Acquisition	\$0	\$0		\$0	\$0	\$0	\$0	\$0
3. Design	\$36,000	\$0		\$0	\$0	\$12,000	\$12,000	\$12,000
4. Construction	\$747,000	\$0		\$0	\$0	\$249,000	\$249,000	\$249,000
TOTALS	\$900,000	\$0		\$0	\$0	\$300,000	\$300,000	\$300,000

FINANCING SOURCES:								
SEWERFAC	\$900,000	\$0		\$0	\$0	\$300,000	\$300,000	\$300,000
TOTALS:	\$900,000	\$0		\$0	\$0	\$300,000	\$300,000	\$300,000

DESCRIPTION: This annual allocation provides for wastewater system rehabilitation work at certain locations throughout the City.

JUSTIFICATION: Based on various types of wastewater system inspections, including those performed with a closed-circuit television camera, it is recommended that certain rehabilitation work occur. Certain access areas identified by the Public Works Operations Division require replacement (shaft, ring, and cover) due to having inadequate size for confined space entry. Other access areas require new covers and rings due to damage resulting from excessive load bearing stress. Certain sections of cracked pipe need to be replaced, repaired, or relined to prevent groundwater infiltration or leaching of raw sewage into the ground. This project provides for safe working conditions for the Public Works Operations crew.

SCHEDULING: On-going.

STATUS:

BUDGET EFFECT: None.

VICINITY MAP:

